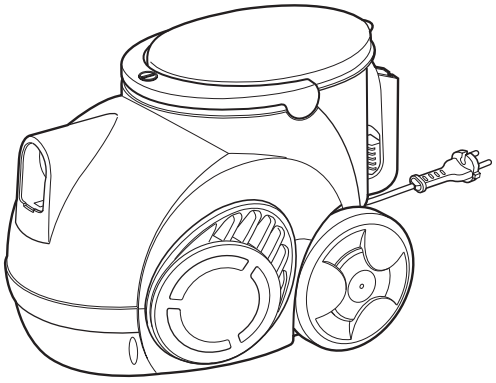
Website http://biz.lgservice.com

VACUUM CLEANER
SERVICE MANUAL

MODEL : V-CA241NT
V-CA241NTR

CAUTION

BEFORE SERVICING THE UNIT, READ THE "SAFETY PRECAUTIONS" IN THIS MANUAL.



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SAFETY PRECAUTIONS

BEFORE OPERATING THIS VACUUM CLEANER, READ THIS SERVICE MANUAL THOROUGHLY, AND OBSERVE EACH POINT CAREFULLY.

1. Motor filter(Air Cleaner)

1) This filter is reusable.
2) Never use the vacuum cleaner without filter. It may damage the motor.
3) When the light of body is on, wash the motor filter with water and brush.
4) Even if the light is not on, wash the motor filter at least once 6 months.

NOTE : Reusing of the motor filter.

- Never wash the filter in a washing machine or in a dishwasher.
- Never use hot water for washing the filter.
- Reuse the filter after drying it completely in the shade for a day.
- Do not dry near fire or direct sunray.

2. Exhaust filter(Washable HEPA filter)

1) This filter is reusable HEPA filter.
2) For clean air, this filter must be assembled.
3) Wash the exhaust filter with water once a year.
4) When the light of body is on, wash the exhaust filter with water.

NOTE : Reusing of the exhaust filter.

- Never wash the filter in a washing machine or in a dishwasher.
- Never use hot water for washing the filter.
- Reuse the filter after drying it completely in the shade for a half day.
- Do not dry near fire or direct sunray.
- Do not brush the filter. This will cause permanently damage allowing dust to by-pass the filter.

3. Avoid suction such materials as :

1) Liquid or wet dust :
   Clogs the ventilation holes, reduces the suction power significantly and harms the motor.
2) Inflammable liquids such as benzene, alcohol or solvents.
3) Burning objects such as cigarette butts.
4) Bulky objects such as vinyl, paper etc.
5) Sharp objects such as needles, pins, metal, glass particles etc.

4. Attachments

- Nozzle : For cleaning wooden floor, the room floor and carpet.
- Crevice Tool : For cleaning any crevice, inside corners of window frames. (However, do not use the crevice tool more than 20 minutes.)
- Dusting Brush: For delicate vacuuming of fabrics on the furniture, curtains, etc.
- Upholstery Nozzle : For vacuuming the dust on the upholstery.

However, do not use the crevice tool more than 20 minutes because it may cause harm to the motor.

5. Close supervision is necessary when this vacuum cleaner is used by or near children. Children's carelessness may cause damage to the cleaner or injure persons.

6. Air exhausted from the vacuum cleaner is normally warm. But if extraordinarily hot air is exhausted, check if the telescopic tube, hose or clean filter is clogged or not.

7. Electric shock could occur if used outdoors or on wet surfaces.

CAUTIONS

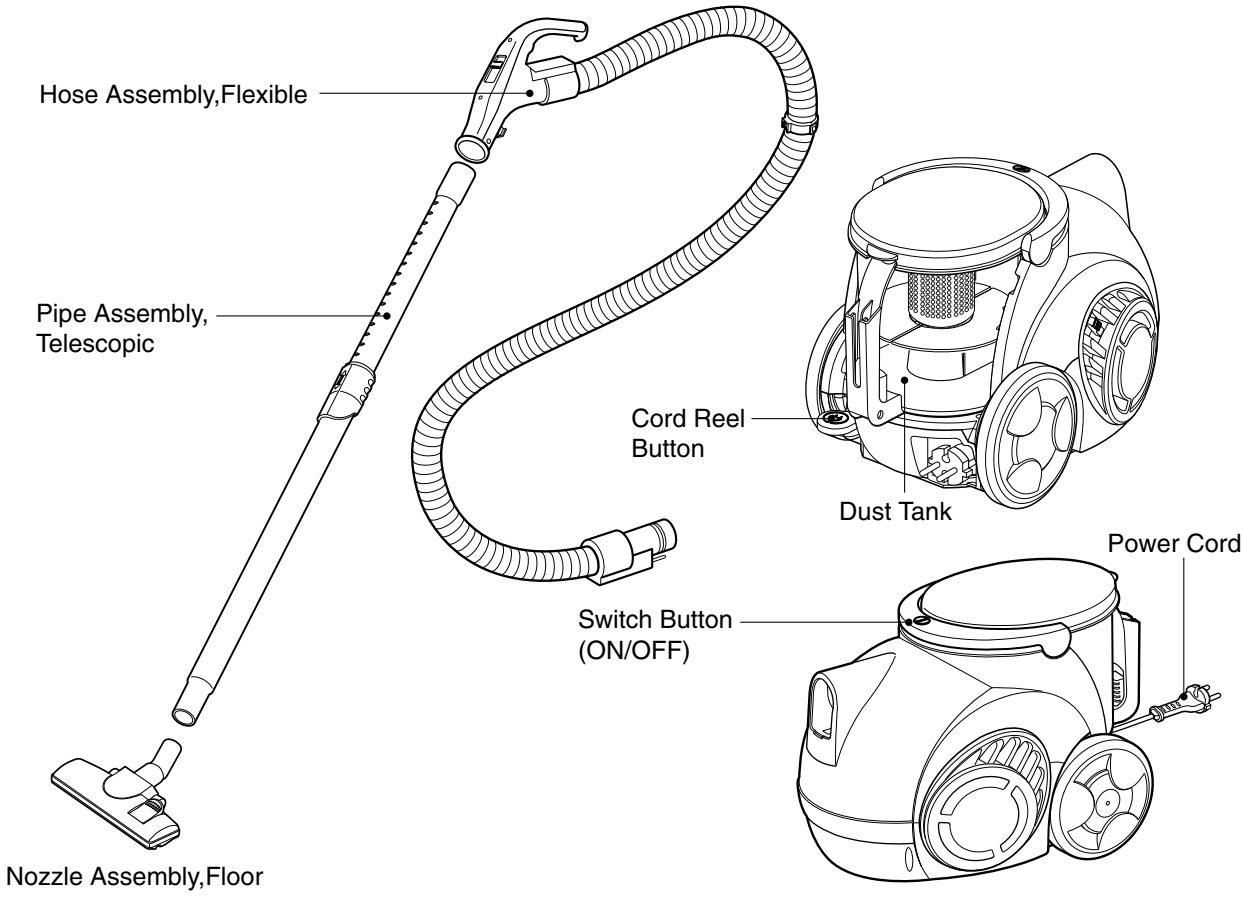
BEFORE ATTEMPTING TO SERVICE OR ADJUST ANY PART OF THE VACUUM CLEANER, DISCONNECT THE ELECTRICAL POWER SUPPLY CORD FROM THE WALL OUTLET.

1. Motor exchange

1) Separate the Body Cover and Body Base by unfastening the screws.
2) After disconnecting the lead wires, replace the old motor with a new one.

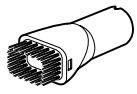
2. In case of exchanging other parts. refer to the exploded view.

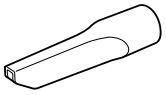
DESCRIPTION

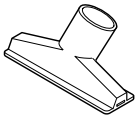


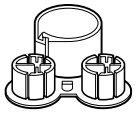
CANISTER

ATTACHMENTS


Brush Assembly,Dust


Tool, Crevice


Nozzle, Upholstery


Holder, Accessory

SPECIFICATIONS

- **MODEL :** REFER TO THE COVER PAGE
- **POWER SOURCE :** ON RATING PLATE
- **POWER CONSUMPTION :** ON RATING PLATE
- **POWER CONTROL :**
  - **MAIN :** PUSH ON / OFF(BODY)
- **CORD LENGTH :** 6 m
- **HOSE LENGTH :** 1.6 m
- **NET WEIGHT :** 4.5 kg
- **PACKING WEIGHT :** 7.5 kg
- **NET DIMENSION :** 280 × 399 × 276 (W × D × H)mm
- **PACKING DIMENSION :** 315 × 565 × 330 (W × D × H)mm
- **ATTACHMENTS**

  HOSE ASSEMBLY, FLEXIBLE 1EA
  PIPE ASSEMBLY, TELESCOPIC 1EA
  NOZZLE ASSEMBLY, FLOOR 1EA
  BRUSH ASSEMBLY, DUST 1EA
  TOOL, CREVICE.....1EA
  NOZZLE, UPHOLSTERY.....1EA
  HOLDER, ACCESSORY.....1EA

• This specifications are subject to change according to the buyer's request.

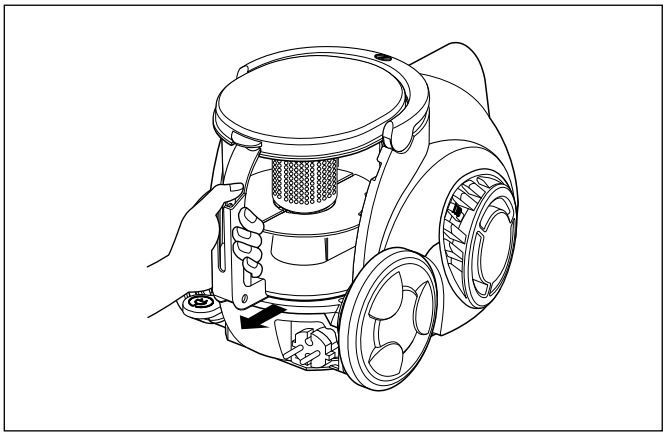
DISASSEMBLY

NOTE : Before attempting to service or adjust any part of the vacuum cleaner, disconnect the electrical power supply cord from the wall outlet.

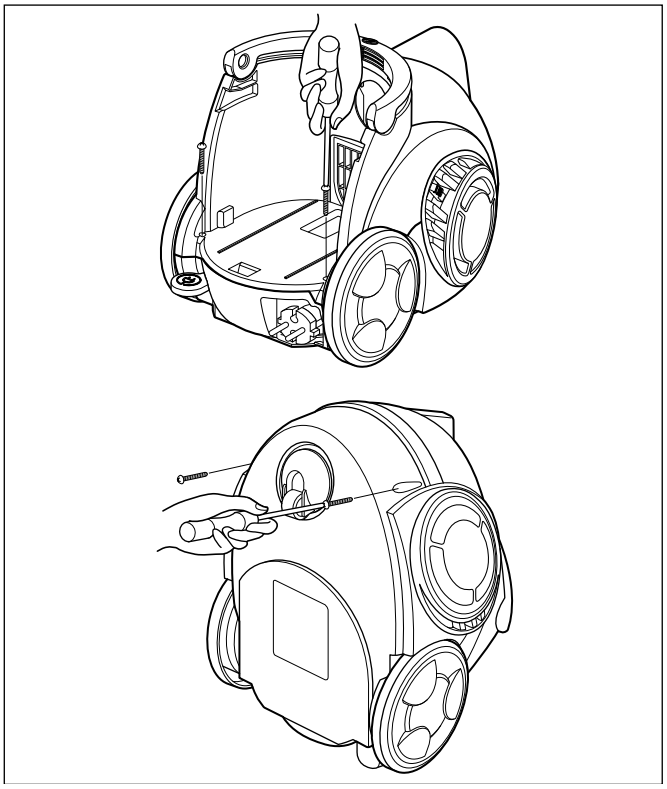
- Almost all of the parts of this vacuum cleaner can be disassembled with a screw driver and each connecting component easily fits each other. Disassemble one by one referring to the exploded view.
- If possible, don't disassemble except for the necessary parts. It is not necessary to disassemble the parts that are not detailed in the exploded view.

1. Body Cover Assembly Replacement

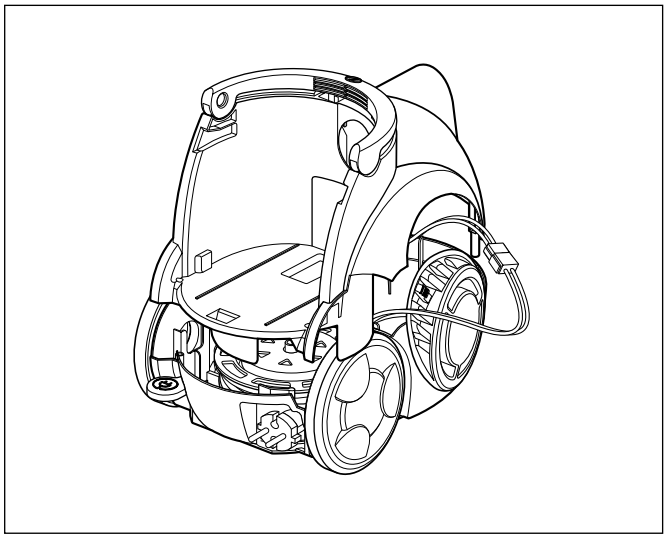
1) Remove the dust tank from the set.



2) Remove the four screws fastening the body base.

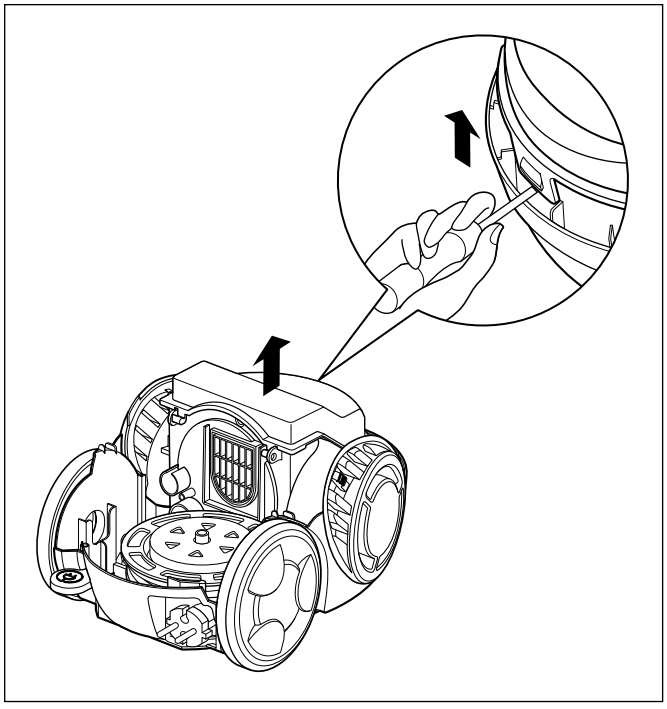


3) Disassemble the body cover, raising the body cover.

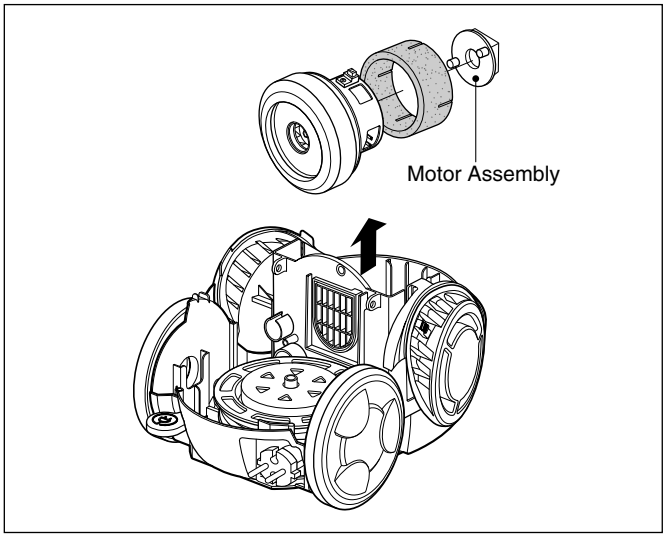


2. Motor Assembly Replacement

1) Detach exhaust cover in the direction of the arrow and unhook the motor covr with "⊖" driver.

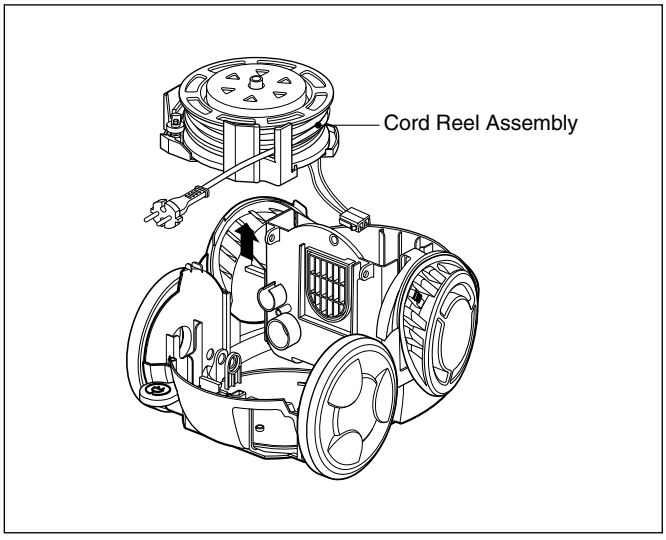


2) Pull out the motor and disconnect the lead wires from it.



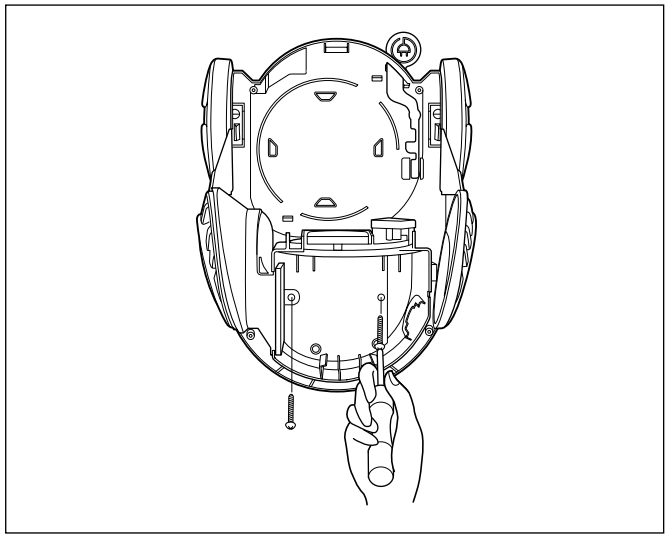
3. Cord Reel Assembly Replacement

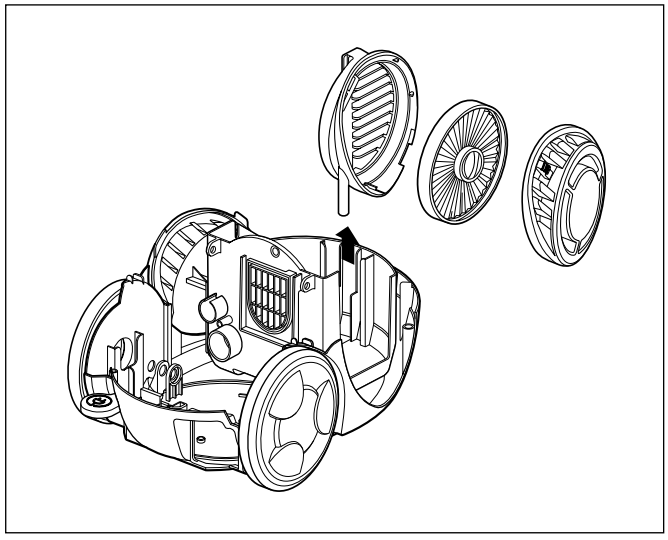
1) Lift the cord reel assembly from the body base.



4. Disassembly of Motor Housing

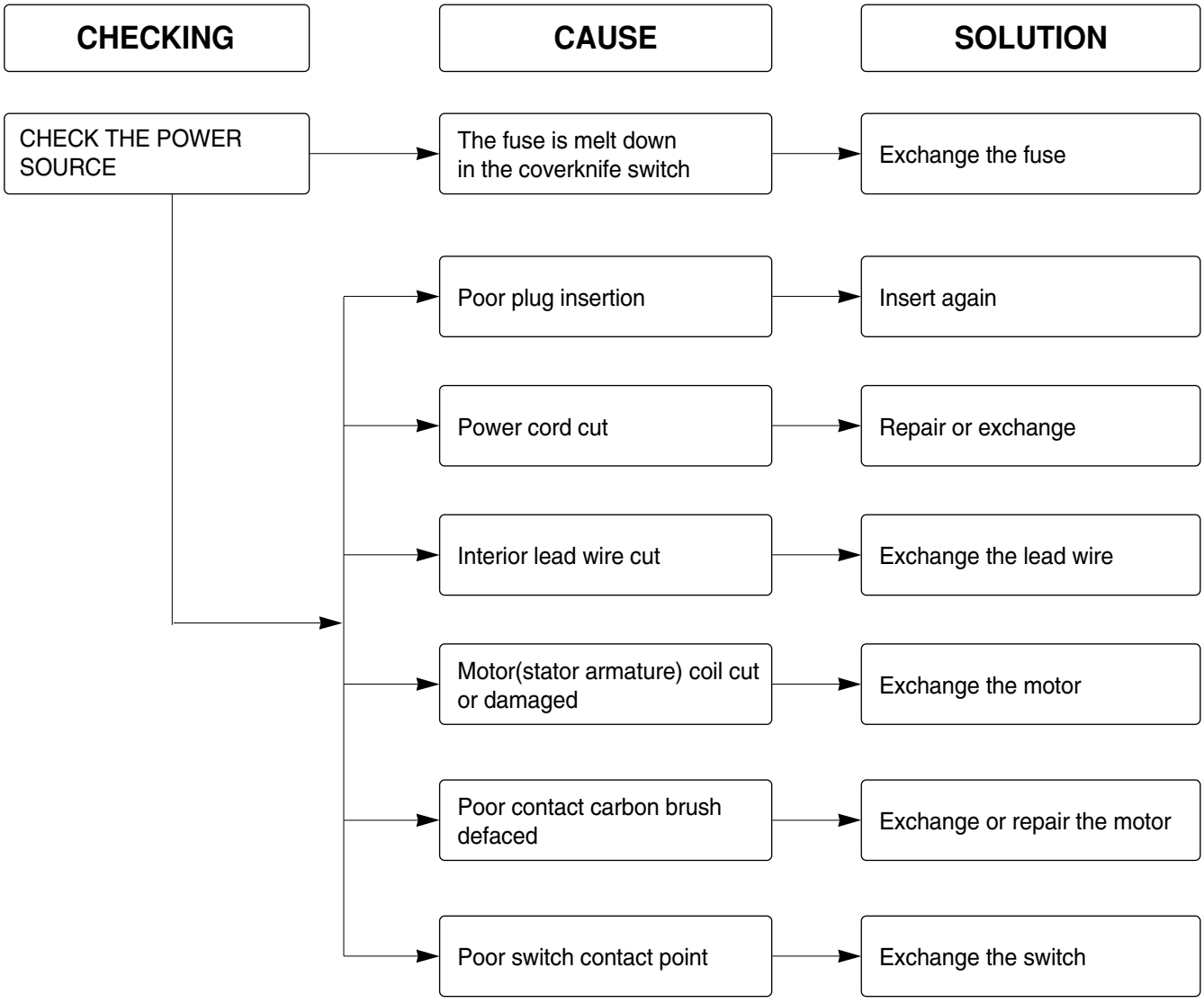
1) Remove the two screws fastening the motor housing.



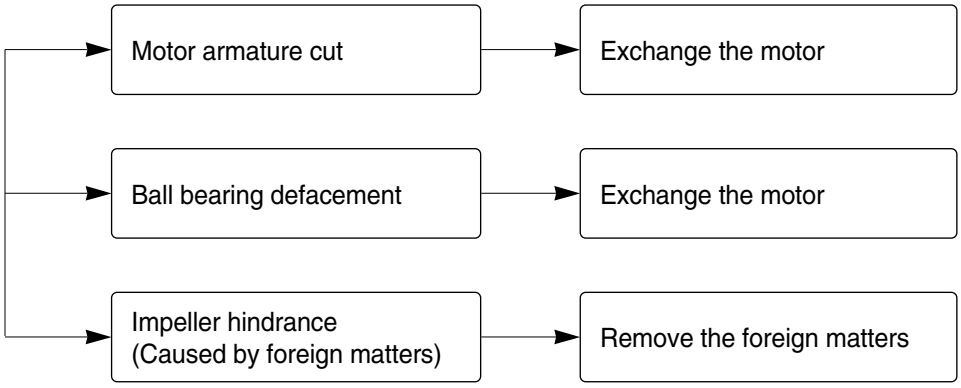


TROUBLE SHOOTING GUIDE

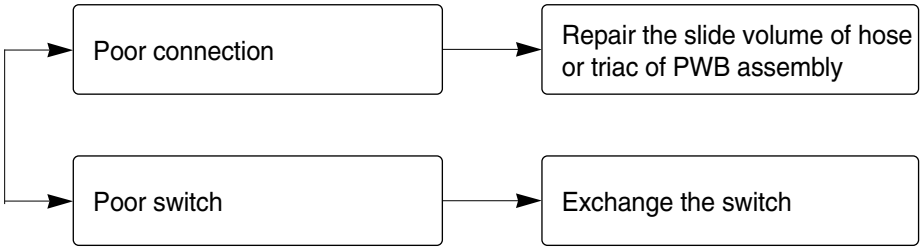
1. SWITCH ON BUT MOTOR DOSE NOT TURN.



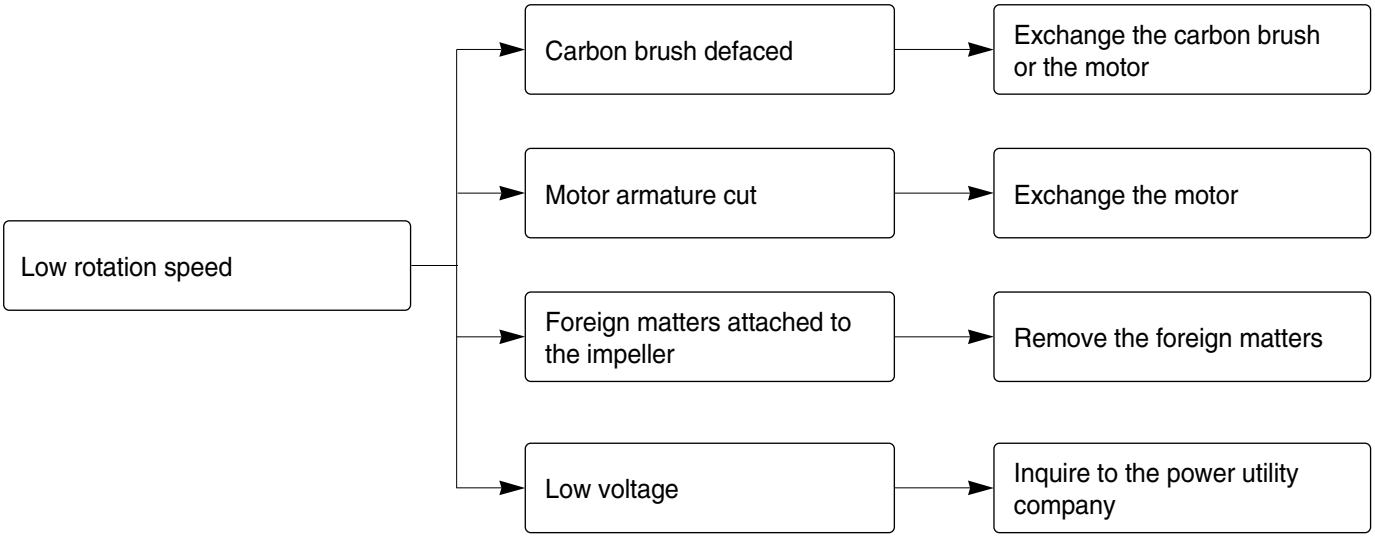
2. SWITCH ON, MOTOR DOES NOT TURN BUT BUZZES.

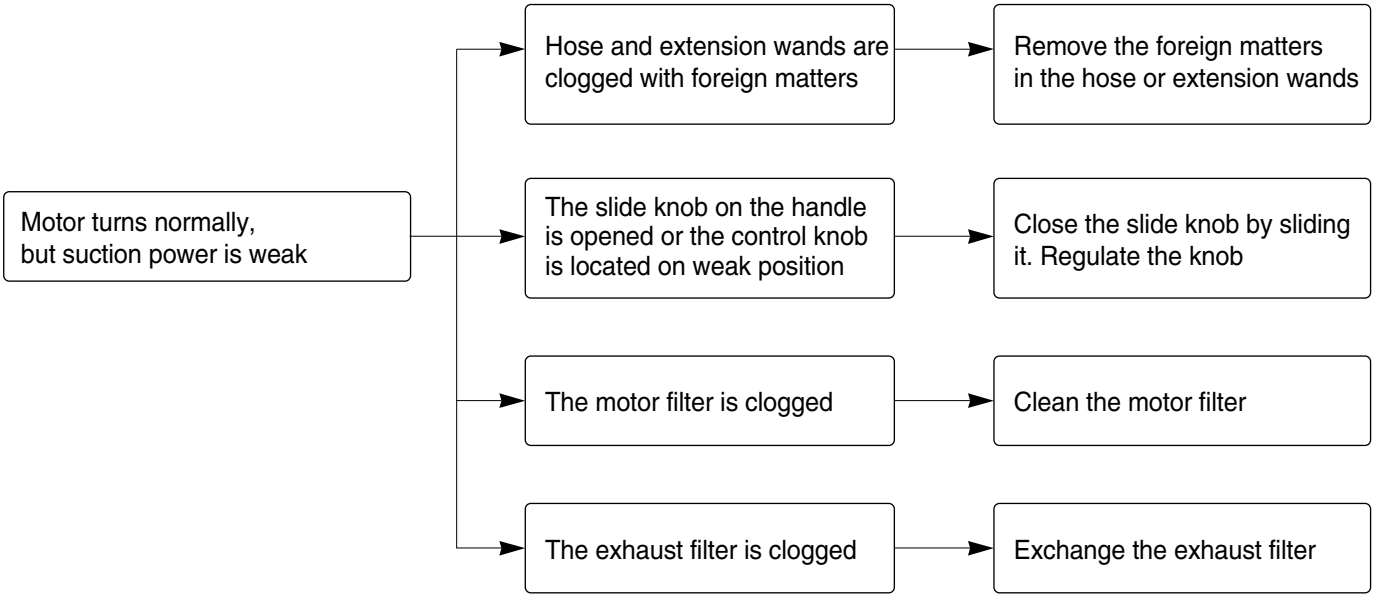


3. SWITCH OFF BUT MOTOR TURNS

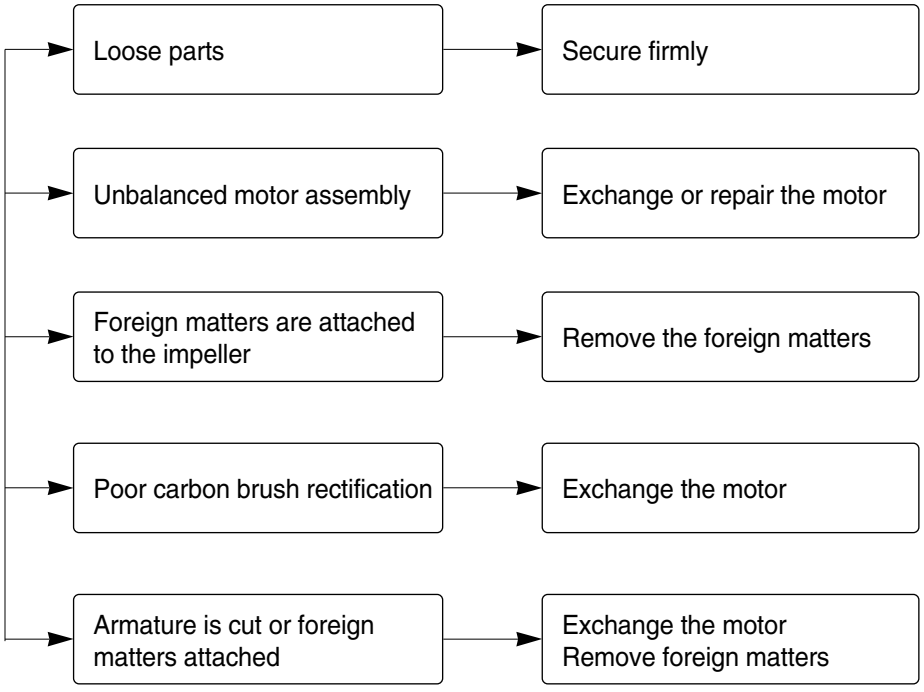


4. WEAK SUCTION POWER

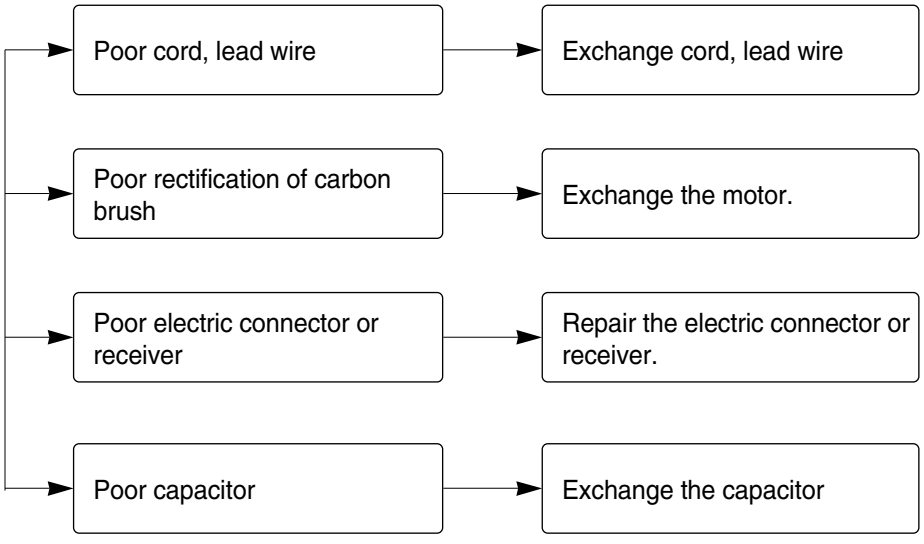

Low rotation speed
Carbon brush defaced
Exchange the carbon brush or the motor
Motor armature cut
Exchange the motor
Foreign matters attached to the impeller
Remove the foreign matters
Low voltage
Inquire to the power utility company


Motor turns normally, but suction power is weak
Hose and extension wands are clogged with foreign matters
Remove the foreign matters in the hose or extension wands
The slide knob on the handle is opened or the control knob is located on weak position
Close the slide knob by sliding it. Regulate the knob
The motor filter is clogged
Clean the motor filter
The exhaust filter is clogged
Exchange the exhaust filter

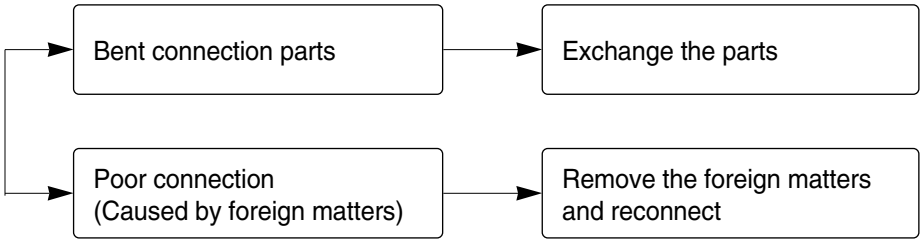
5. VIBRATION NOISES



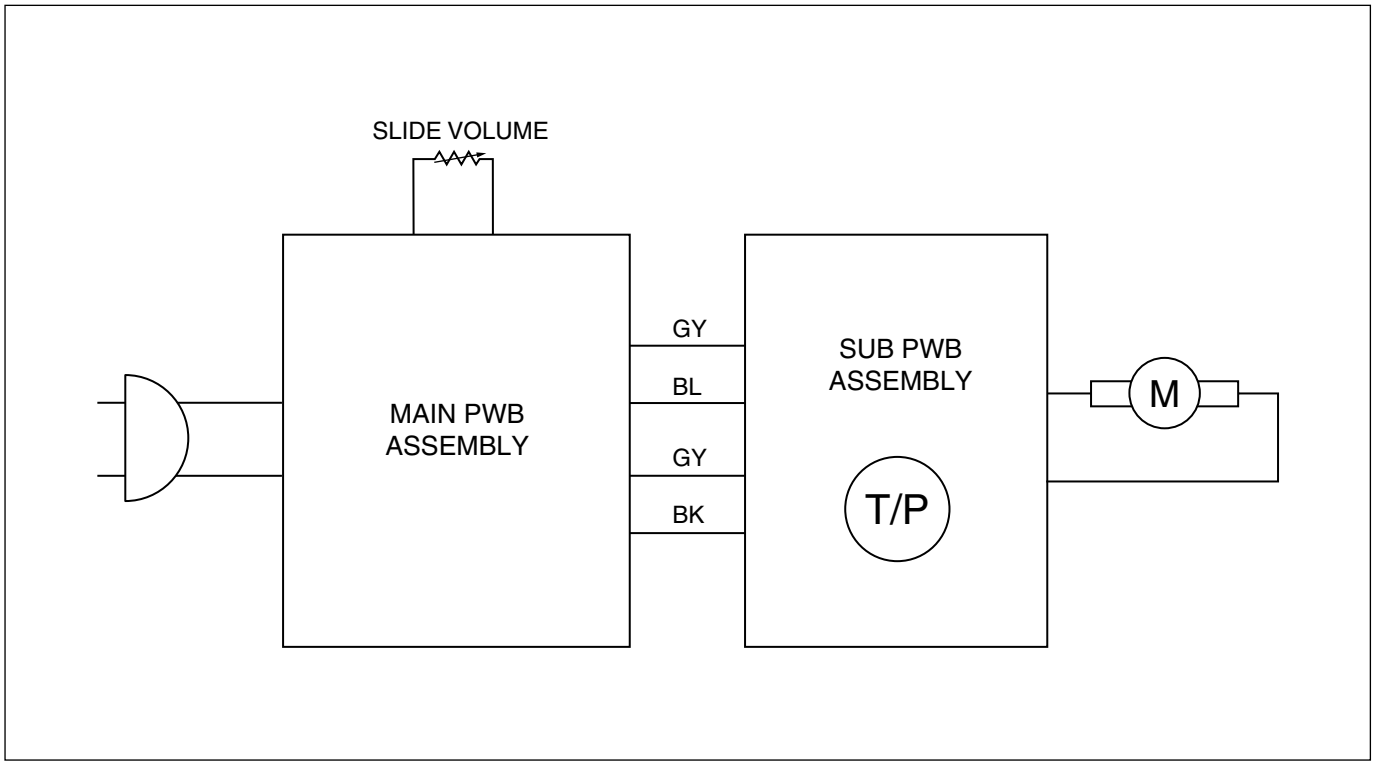
6. RADIO, TV RECEPTION DISTURBANCE


Poor cord, lead wire
Exchange cord, lead wire
Poor rectification of carbon brush
Exchange the motor.
Poor electric connector or receiver
Repair the electric connector or receiver.
Poor capacitor
Exchange the capacitor

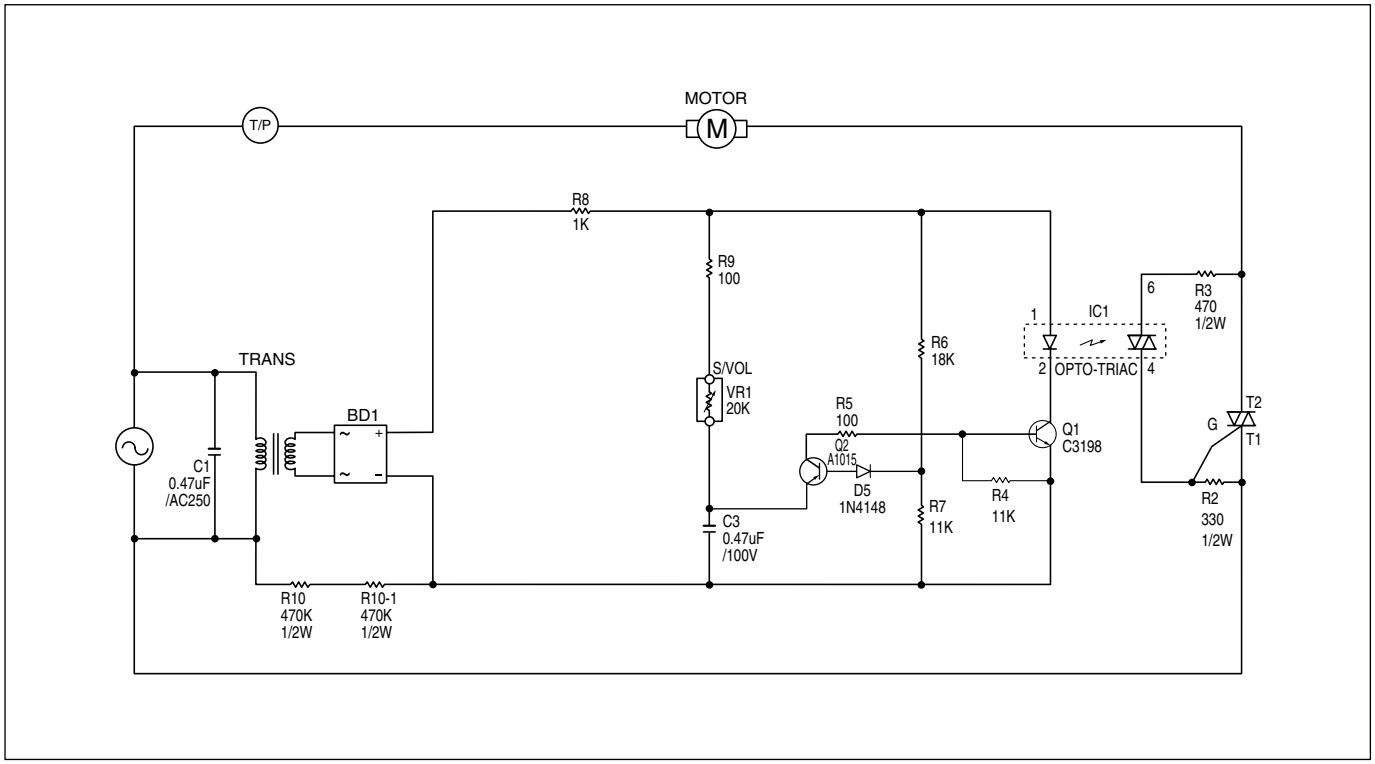
7. IMPROPER TUBE OF NOZZLE CONNECTION



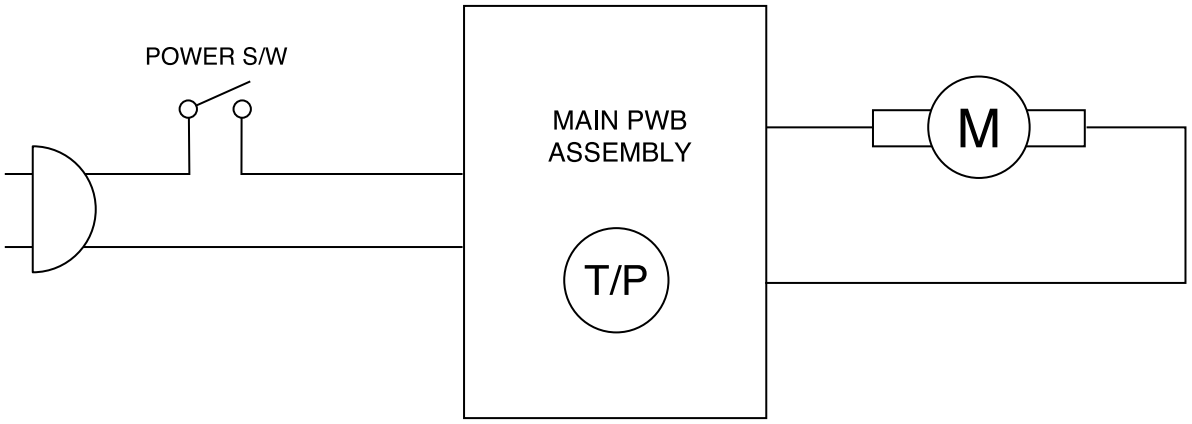
SCHEMATIC DIAGRAM



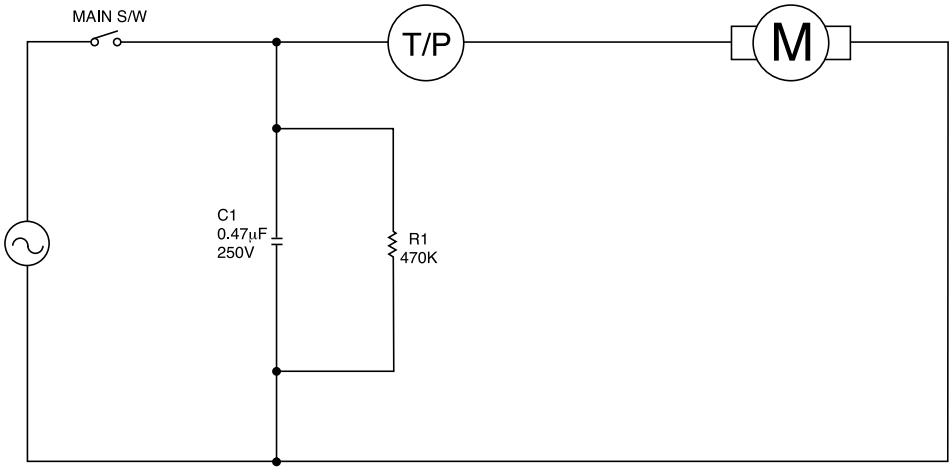
CIRCUIT DIAGRAM



SCHEMATIC DIAGRAM



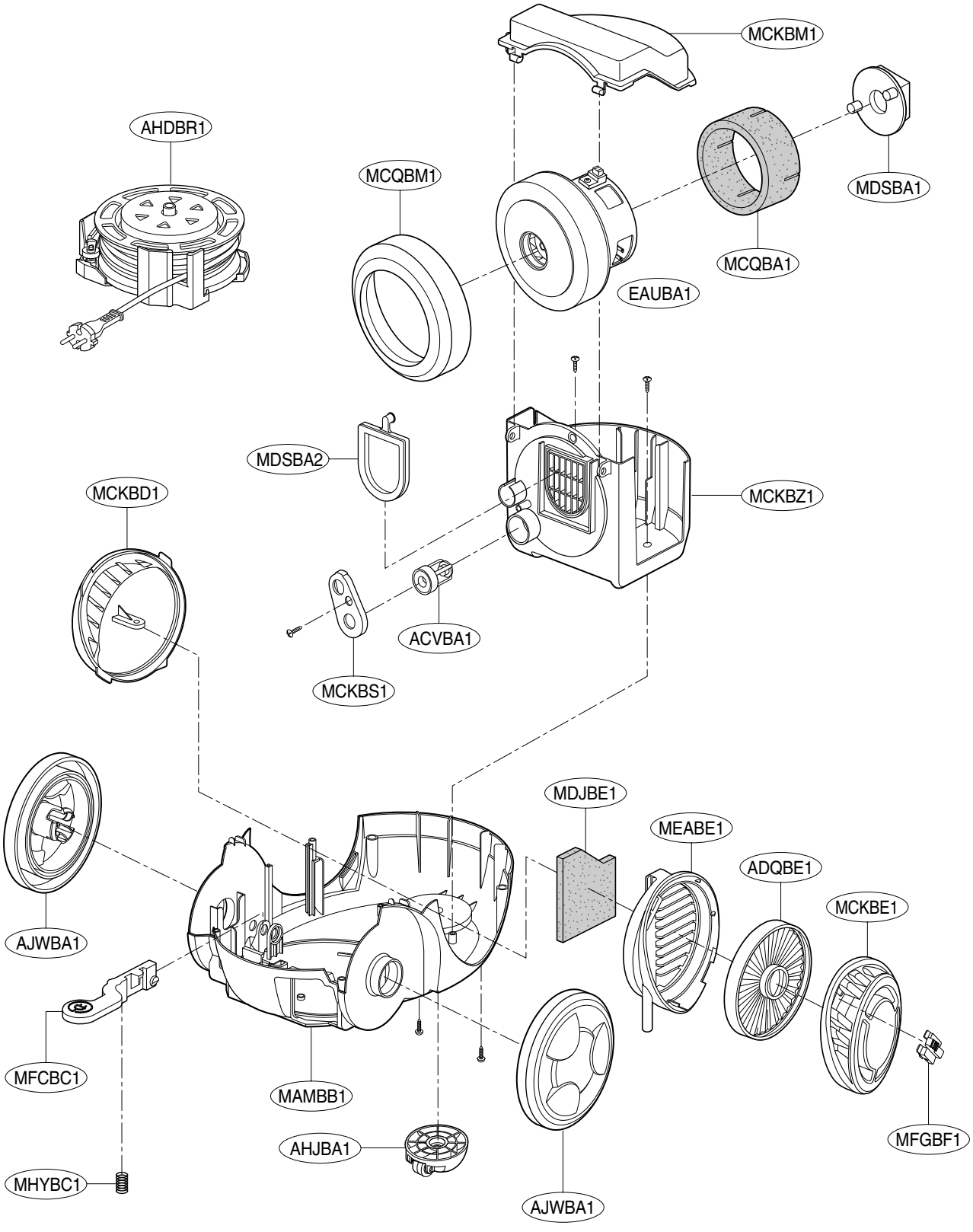
CIRCUIT DIAGRAM



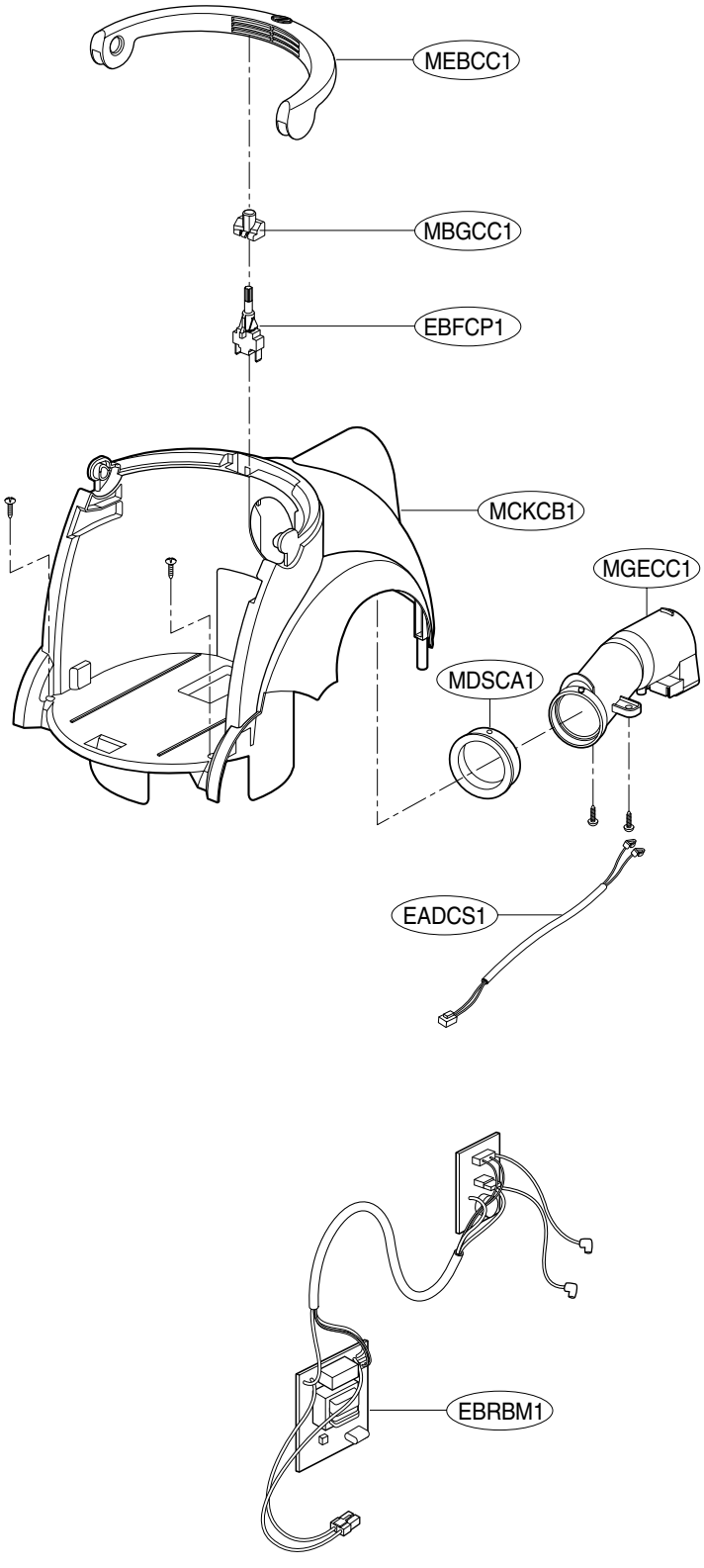
EXPLODED VIEW

BASE ASSEMBLY, BODY

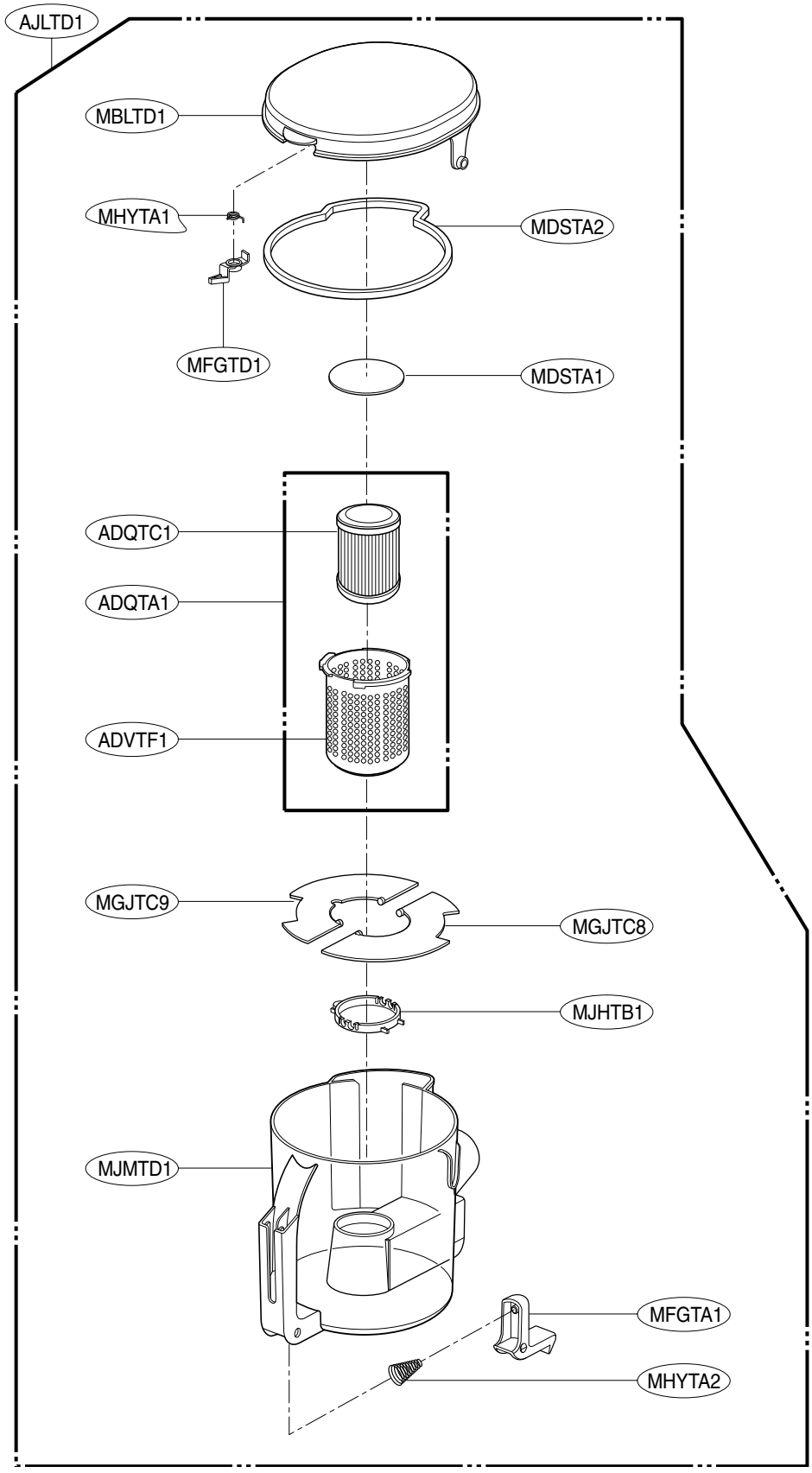
V-CA241NT(V-CA241NT.ABUQLUK) **V-CA241NTR(V-CA241NT.ATRQLUK)**



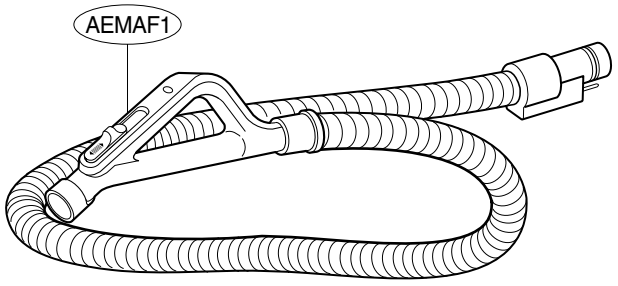
COVER ASSEMBLY, BODY

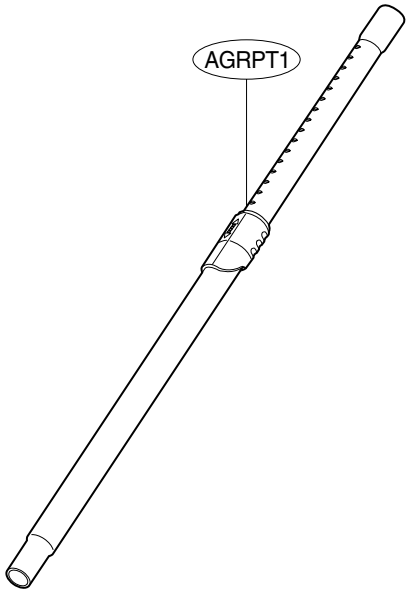


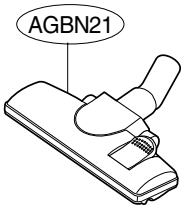
TANK ASSEMBLY, DUST

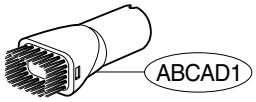


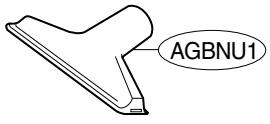
ACCESSORIES

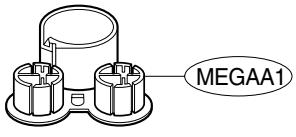












REPLACEMENT PARTS LIST

V-CA241NT(V-CA241NT.ABUQLUK)

LOC. NO.	PART NO.	DESCRIPTION	SVC	REMARK
MAMBB1	3040FI1497A	Base,Body	R	
MCKBE1	3550FI2529A	Cover,Exhaust Filter	R	
MFGBF1	4480FI3742A	Locker,Filter	R	
MCKBD1	3550FI2530A	Cover,Decor	R	
AJWBA1	4661FI2411B	Wheel Assembly	R	
MFCBC1	4510FI2439F	Lever,Cord Reel	R	
AHJBA1	4441FI3605V	Roller Assembly	R	
ADQBE1	5231FI2469A	Filter Assembly,Exhaust	R	
MCKBZ1	3550FI1610A	Cover,Motor Housing	R	
MCKBM1	3550FI1615A	Cover,Motor	R	
MEABE1	4974FI2398A	Guide,Exhaust	R	
MCKBS1	3550FI3818A	Cover,Sensor	R	
ACVBA1	4901FI2001A	Damper Assembly	R	
MDSBA2	3920FI3798A	Gasket	R	
MDJBE1	5230FI4734A	Filter,Exhaust	R	
MHYBC1	4970FI4694F	Spring,Coil	R	
EBRBM1	6871FX3084A	PCB Assembly,Main	R	
AHDBR1	4687FI1482H	Reel Assembly	R	
EADBS1	6631FI1002A	Harness,Single	R	
MCKCB1	3550FI1611E	Cover,Body	R	
MEBCC1	3650FI2407A	Handle,Carrier	R	
MDSCA1	3920FI3788A	Gasket	R	
EBFCP1	6601FI3149B	Switch,Push Button	R	
MGECC1	5200FI2489A	Pipe,Connector	R	
MBGCC1	5020FI3784E	Button,Control	R	
EADCS1	6877FI2002N	Harness,Single	R	
AJLTD1	4839FI1010E	Tank Assembly,Dust	R	
MJMTD1	4838FI1401D	Tank,Dust	R	
MBLTD1	5006FI1328A	Cap,Dust	R	
MDSTA1	4036FI3657F	Gasket	R	
MDSTA2	3920FI4718N	Gasket	R	
ADQAC1	5231FI2476A	Filter Assembly,Clean	R	
ADVTF1	3211FI2368A	Frame Assembly,Filter	R	
MGJTC9	3300FI2281A	Plate,Cover	R	
MJHTB1	4980FI3735A	Supporter,Board	R	
MGJTC8	3300FI2282A	Plate,Cover	R	
MFGTA1	4026FI3676M	Locker	R	
MHYTA2	4970FI3217A	Spring,Coil	R	
MFGTD1	4056FI3650A	Locker,Dust Cap	R	

R : SERVICE PARTS

LOC. NO.	PART NO.	DESCRIPTION	SVC	REMARK
MHYTA1	4970FI3209A	Spring	R	
EAUBA1	4681FI2482C	Motor Assembly,AC,Vacuum Cleaner	R	
MCQBM1	3920FI3908A	Damper,Motor Mount	R	
MCQBA1	3940FI3646A	Damper,Absorbing	R	
MDSBA1	3920FI3763A	Gasket	R	
AEMAF1	5215FI1336E	Hose Assembly,Flexible	R	
AGRPT1	5201FI2487T	Pipe Assembly,Telescopic	R	
MFL687	MFL39074226	Manual,Service	R	
MFL552	3828FI2842Q	Manual,Owners	R	
AGBNU1	5248FI2259D	Nozzle Assembly,Upholstery	R	
ABCAD1	5202FI3474F	Brush Assembly,Dust	R	
MFVAC1	5058FI3462G	Nozzle,Crevice	R	
MEGAA1	4930FI2378C	Holder,Accessory	R	
MAY000	3890FG1295A	Box	R	
AGBN21	5249FI1399C	Nozzle Assembly,Floor	R	

R : SERVICE PARTS

REPLACEMENT PARTS LIST

V-CA241NTR(V-CA241NT.ATRQLUK)

LOC. NO.	PART NO.	DESCRIPTION	SVC	REMARK
MAMBB1	3040FI1497A	Base,Body	R	
MCKBE1	3550FI2529A	Cover,Exhaust Filter	R	
MFGBF1	4480FI3742A	Locker,Filter	R	
MCKBD1	3550FI2530A	Cover,Decor	R	
AJWBA1	4661FI2411R	Wheel Assembly	R	
MFCBC1	4510FI2439Q	Lever,Cord Reel	R	
AHJBA1	4441FI3605V	Roller Assembly	R	
ADQBE1	5231FI2469A	Filter Assembly,Exhaust	R	
MCKBZ1	3550FI1610A	Cover,Motor Housing	R	
MCKBM1	3550FI1615A	Cover,Motor	R	
MEABE1	4974FI2398A	Guide,Exhaust	R	
MCKBS1	3550FI3818A	Cover,Sensor	R	
ACVBA1	4901FI2001A	Damper Assembly	R	
MDSBA2	3920FI3798A	Gasket	R	
MDJBE1	5230FI4734A	Filter,Exhaust	R	
MHYBC1	4970FI4694F	Spring,Coil	R	
EBRBM1	6871FX3084A	PCB Assembly,Main	R	
AHDBR1	4687FI1482H	Reel Assembly	R	
EADBS1	6631FI1002A	Harness,Single	R	
MCKCB1	3550FI1611R	Cover,Body	R	
MEBCC1	3650FI2407A	Handle,Carrier	R	
MDSCA1	3920FI3788A	Gasket	R	
EBFCP1	6601FI3149B	Switch,Push Button	R	
MGECC1	5200FI2489A	Pipe,Connector	R	
MBGCC1	5020FI3784H	Button,Control	R	
EADCS1	6877FI2002N	Harness,Single	R	
AJLTD1	4839FI1010N	Tank Assembly,Dust	R	
MJMTD1	4838FI1401A	Tank,Dust	R	
MBLTD1	5006FI1328A	Cap,Dust	R	
MDSTA1	4036FI3657F	Gasket	R	
MDSTA2	3920FI4718N	Gasket	R	
ADQAC1	5231FI2476A	Filter Assembly,Clean	R	
ADVTF1	3211FI2368A	Frame Assembly,Filter	R	
MGJTC9	3300FI2281A	Plate,Cover	R	
MJHTB1	4980FI3735A	Supporter,Board	R	
MGJTC8	3300FI2282A	Plate,Cover	R	
MFGTA1	4026FI3676M	Locker	R	
MHYTA2	4970FI3217A	Spring,Coil	R	
MFGTD1	4056FI3650A	Locker,Dust Cap	R	

R : SERVICE PARTS

LOC. NO.	PART NO.	DESCRIPTION	SVC	REMARK
MHYTA1	4970FI3209A	Spring	R	
EAUBA1	4681FI2482C	Motor Assembly,AC,Vacuum Cleaner	R	
MCQBM1	3920FI3908A	Damper,Motor Mount	R	
MCQBA1	3940FI3646A	Damper,Absorbing	R	
MDSBA1	3920FI3763A	Gasket	R	
AEMAF1	5215FI1351J	Hose Assembly,Flexible	R	
AGRPT1	5201FI2487T	Pipe Assembly,Telescopic	R	
MFL687	MFL39074226	Manual,Service	R	
MFL552	3828FI2842Q	Manual,Owners	R	
AGBNU1	5248FI2259D	Nozzle Assembly,Upholstery	R	
ABCAD1	5202FI3474F	Brush Assembly,Dust	R	
MFVAC1	5058FI3462G	Nozzle,Crevice	R	
MEGAA1	4930FI2378C	Holder,Accessory	R	
MAY000	3890FG1295A	Box	R	
AGBN21	5249FI1399C	Nozzle Assembly,Floor	R	

R : SERVICE PARTS